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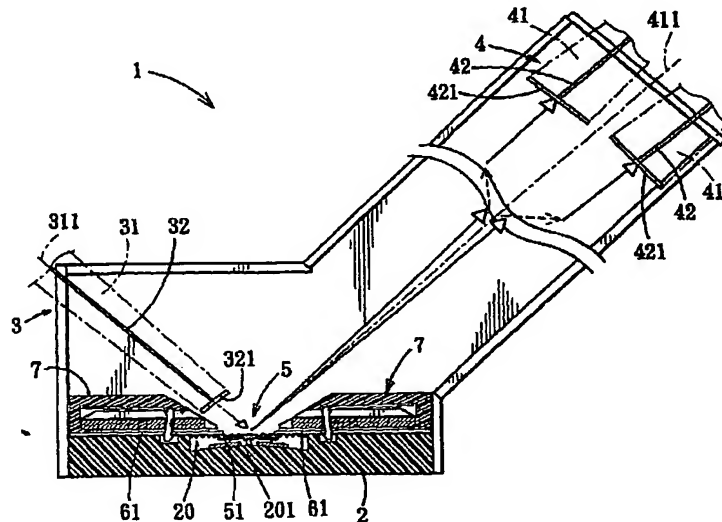
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(54) Title: OPTICAL SWITCH



(57) Abstract: In an optical switch (1) for routing an optical signal, a deflecting member (5) is mounted movably on a base (2) and is tiltable about a fulcrum shaft (22) so as to deflect the optical signal. Multiple elongate cantilevers (51) are disposed on the base and are arranged around the deflecting member. Each cantilever has a coupling end portion connected to the base and opposite to a hammer end portion disposed on a periphery of the deflecting member. Control units (7) are disposed on the base, and are operably and respectively associated with the cantilevers so as to control movement of the cantilevers to an appropriate one of a suspending position, where the hammer end portion is spaced from the deflecting member, and a pumping position, where the hammer end portion strikes the deflecting member, thereby forcing the deflecting member to tilt to a desired direction about the fulcrum shaft.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G02B 26/08

US CL : 359/223, 224, 225, 226, 871

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, BRS, IBM, DERWENT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6,449,406 B1 (FAN et al) 10 September 2002 (10.09.2002), Figure 10A; columns 6-14.	1-14

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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